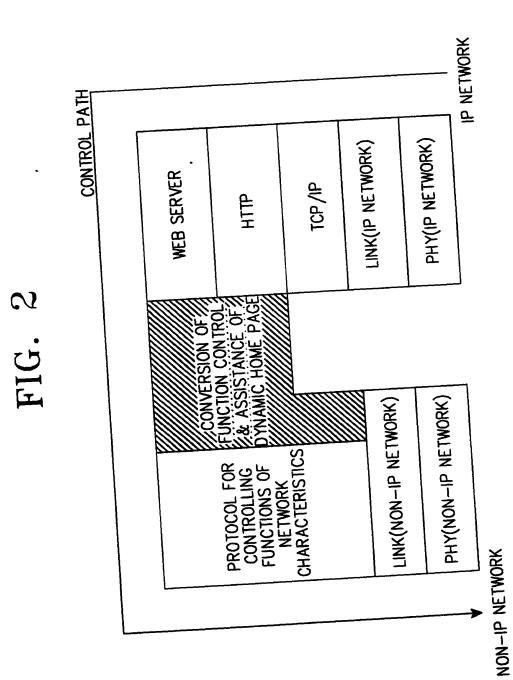SONG, et al.   Q61616
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FOR CONTROLLING NON IP-BASED NETWORK
DEVICE WITH IP-BASED NETWORK DEVICE AND
METHOD THEREFOR   .
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FIG. 1

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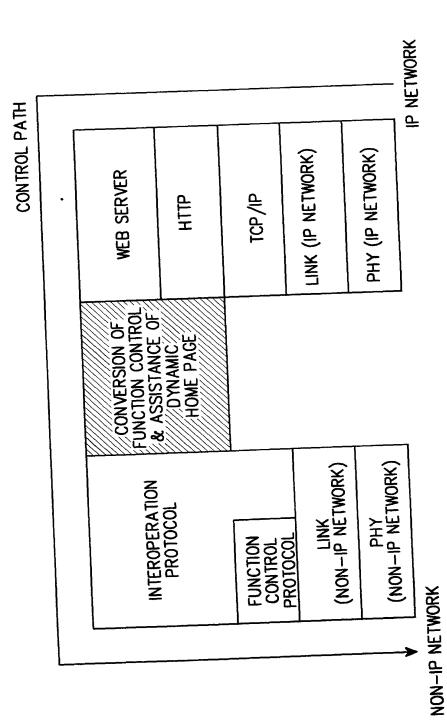Darryl Mexic   202-293-7060
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FIG. 2

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FIG. 3
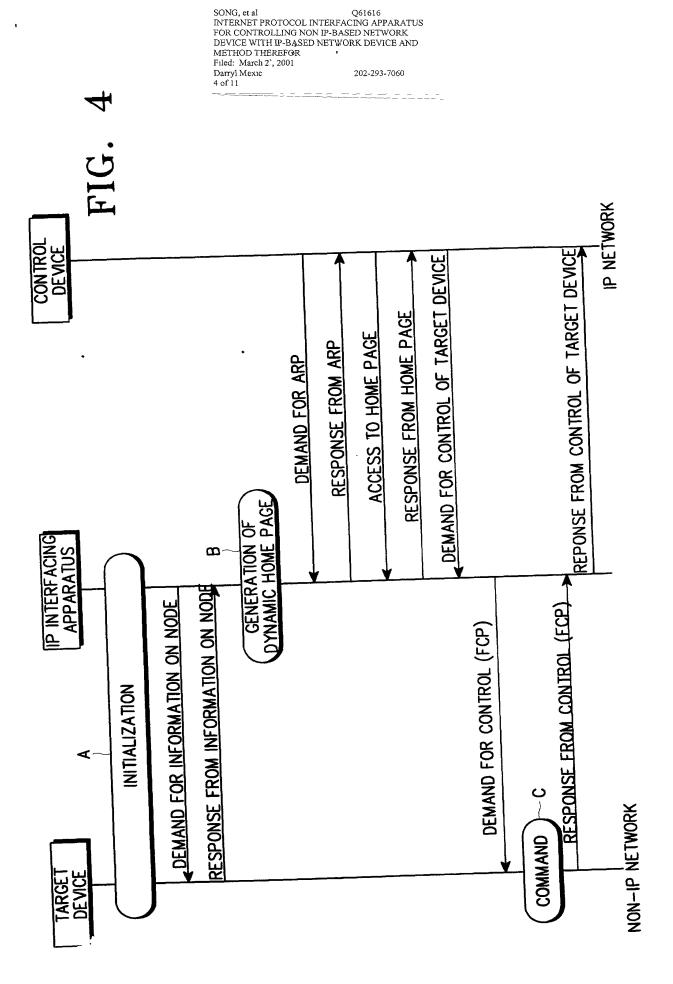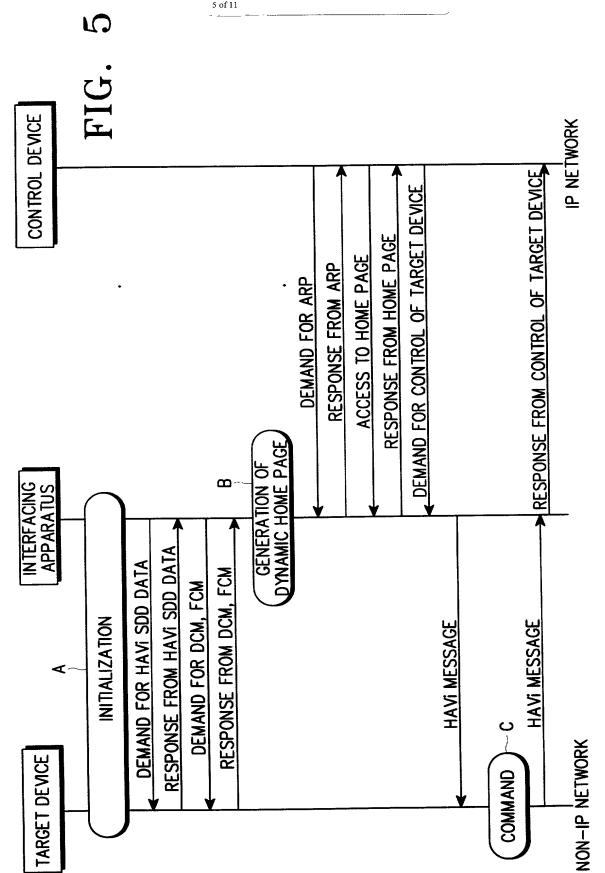
SONG, et al   Q61616
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FIG. 4

CONTROL DEVICE

IP INTERFACING APPARATUS

TARGET DEVICE

INITIALIZATION

A

DEMAND FOR INFORMATION ON NODE

RESPONSE FROM INFORMATION ON NODE

B

GENERATION OF DYNAMIC HOME PAGE

DEMAND FOR ARP

RESPONSE FROM ARP

ACCESS TO HOME PAGE

RESPONSE FROM HOME PAGE

DEMAND FOR CONTROL OF TARGET DEVICE

DEMAND FOR CONTROL (FCP)

C

COMMAND

RESPONSE FROM CONTROL (FCP)

REPONSE FROM CONTROL OF TARGET DEVICE

IP NETWORK

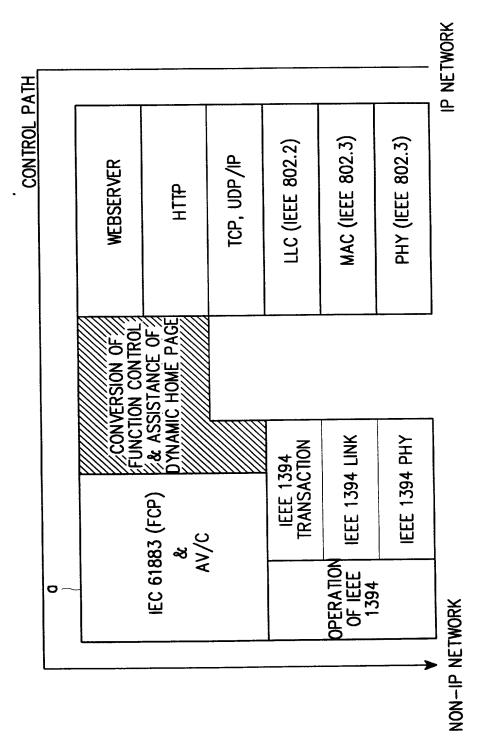NON–IP NETWORK

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FIG. 5

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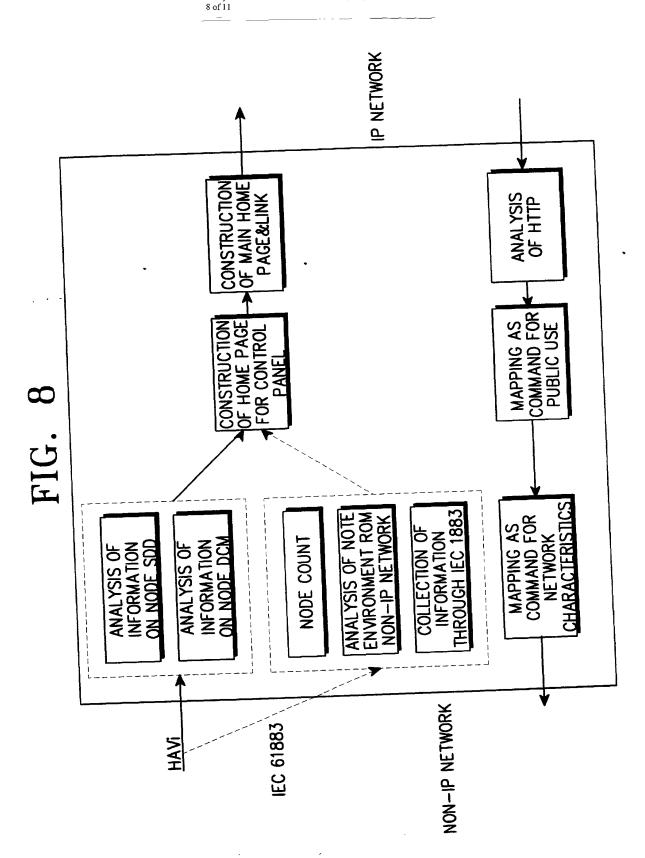# FIG. 6

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FIG. 7

a

HAVi APPLICATION					ASSISTANCE OF JAVA VIRTUAL MACHINE & RUN-TIME
RE-GISTRY	STREAM OPERA-TOR	EVENT OPERA-TOR	DCM OPERA-TOR	DCM	

MESSAGING SYSTEM

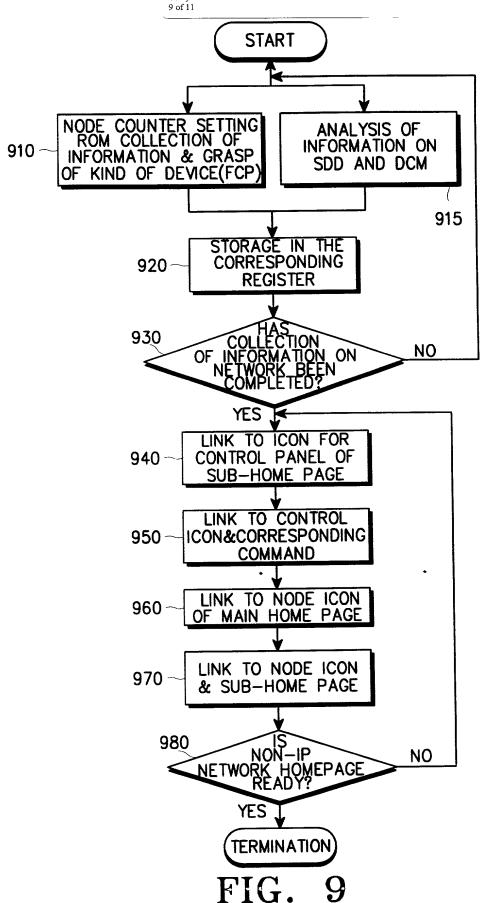| IEC 61883 (FCP) & AV/C	1394 CMM

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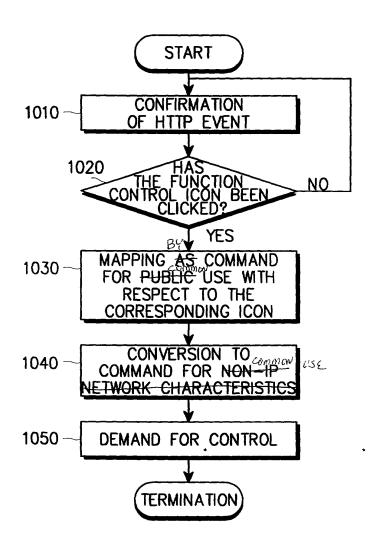8 of 11

FIG. 8

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START

910 — NODE COUNTER SETTING ROM COLLECTION OF INFORMATION & GRASP OF KIND OF DEVICE(FCP)

ANALYSIS OF INFORMATION ON SDD AND DCM

915

920 — STORAGE IN THE CORRESPONDING REGISTER

930 — HAS COLLECTION OF INFORMATION ON NETWORK BEEN COMPLETED?   NO

YES

940 — LINK TO ICON FOR CONTROL PANEL OF SUB-HOME PAGE

950 — LINK TO CONTROL ICON&CORRESPONDING COMMAND

960 — LINK TO NODE ICON OF MAIN HOME PAGE

970 — LINK TO NODE ICON & SUB-HOME PAGE

980 — IS NON-IP NETWORK HOMEPAGE READY?   NO

YES

TERMINATION

FIG. 9

START

1010 — CONFIRMATION
OF HTTP EVENT

1020 — HAS
THE FUNCTION
CONTROL ICON BEEN
CLICKED?   NO

BY   YES

1030 — MAPPING AS COMMAND
(common)
FOR PUBLIC USE WITH
RESPECT TO THE
CORRESPONDING ICON

1040 — CONVERSION TO
COMMAND FOR NON-IP common USE
NETWORK CHARACTERISTICS

1050 — DEMAND FOR CONTROL

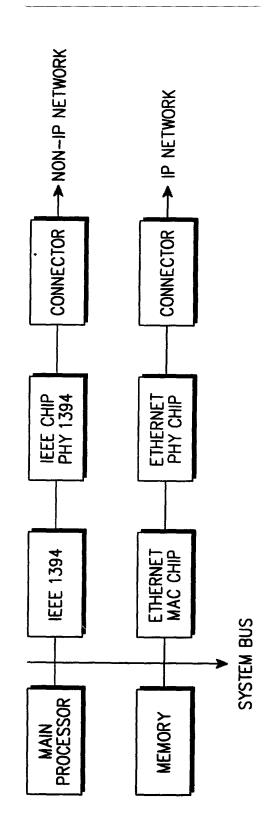TERMINATION

FIG. 10

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FIG. 11